

WHAT IS CLAIMED IS:

1. A response message reproducing method used in  
a wireless communication system including a portable  
communication unit having a wireless interface and a  
5 personal computer having a wireless interface for  
communicating with the wireless interface of said  
portable communication unit by radio, said response  
message reproducing method comprising the steps of:

judging whether or not said portable communication  
10 unit receives a call from the other party;

acquiring, when it is judged that said portable  
communication unit receives the call from other party,  
a response message recorded in said personal computer  
via the wireless interface of said personal computer  
15 and the wireless interface of said portable communica-  
tion unit by said portable communication unit; and

transmitting the acquired message to the other  
party from the portable communication unit.

2. The response message reproducing method  
20 according to claim 1, further comprising

the step of, when it is judged that the portable  
communication unit receives the call from the other  
party and before said response message is transmitted  
to the other party, judging whether or not said  
25 personal computer can transmit said response message,  
and

the step of, when it is judged that said personal

computer cannot transmit said response message, causing said portable communication unit to control said personal computer such that said personal computer can transmit said response message.

5           3. The response message reproducing method according to claim 1, wherein said response message transmitted to the other party is determined according to a call originating number of the other party.

10          4. A response message recording method used in a wireless communication system including a portable communication unit having a wireless interface and a personal computer having a wireless interface for communicating with the wireless interface of said portable communication unit by radio, said response message recording method comprising the steps of:

15           receiving a message from other party in said portable communication unit; and

20           recording the message received by said portable communication unit in a recording device of said personal computer via the wireless interface of said personal computer and the wireless interface of said portable communication unit.

25          5. The message recording method according to claim 4, wherein said message is recorded individually according to a call originating number of the other party.

6. The message recording method according to

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claim 4, wherein the step of recording said message in  
the recording device of said personal computer includes  
compressing said other party's message by a coding  
method with a higher compression rate than that of the  
original message, and

recording said compressed message in the recording  
device of said personal computer.

7. The message recording method according to  
claim 4, wherein the step of recording said message in  
10 the recording device of said personal computer includes  
converting said message into a digital signal  
representing characters by use of a speech recognition  
function, and

recording said converted digital signal  
15 representing characters in the recording device of said  
personal computer.

8. A calling method used in a wireless communica-  
tion system including a portable communication unit and  
a personal computer having a microphone to which voice  
20 is inputted and a speaker for outputting sound, said  
calling method comprising the steps of:

judging whether or not said portable communication  
unit receives a call from other party; and

if it is judged that the portable communication  
25 unit receives a call from the other party, allowing  
oral conversation with the other party by use of the  
microphone and speaker of said personal computer.

9. A wireless communication system including a portable communication unit having a wireless interface and a personal computer having a wireless interface for communicating with the wireless interface of said portable communication unit by radio, said wireless communication system comprising:

a determining unit judging whether or not said portable communication unit receives a call from the other party; and

10 a message transmitting unit, if it is judged that the portable communication unit receives a call from the other party, obtaining a response message recorded in said personal computer via the wireless interface of said personal computer and the wireless interface of said portable communication unit and transmitting the obtained message to the other party.

10. A wireless communication system including a portable communication unit having a wireless interface and a personal computer having a wireless interface for communicating with the wireless interface of said portable communication unit by radio, wherein  
20 said portable communication unit comprises

an antenna receiving a message from other party, and

25 a controller transmitting the received other party's message to said personal computer via the wireless interface of said personal computer and the

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wireless interface of said portable communication unit,  
and

said personal computer records the other party's  
message transmitted from said portable communication  
unit in a recording device of said personal computer.

5           11. A wireless communication system including a  
portable communication unit and a personal computer  
having a microphone to which voice is inputted and a  
speaker for outputting sound, said wireless  
10 communication system comprising:

a judging unit judging whether or not said  
portable communication unit receives a call from other  
party; and

15           an oral conversation unit, if it is judged that  
the portable communication unit receives a call from  
the other party, allowing oral conversation with the  
other party by use of the microphone and speaker of  
said personal computer.

20           12. A response message reproducing method used in  
a communication system including a portable  
communication unit and a personal computer that  
communicates with said portable communication unit,  
said response message reproducing method comprising the  
steps of:

25           judging whether or not said portable communication  
unit receives a call from other party; and  
if it is judged that the portable communication

unit receives a call from an other party, establishing a communication path between said portable communication unit and said personal computer and transmitting a response message recorded in said personal computer to the other party.

5           13. A response message recording method used in a communication system including a portable communication unit and a personal computer that communicates with said portable communication unit, said response message reproducing method comprising the steps of:

10           when said portable communication unit receives a message from other party, establishing a communication path between said portable communication unit and said personal computer and transmitting said message received from the other party to said personal computer; and

15           recording said transmitted other party's message in a recording device of said personal computer.

20           14. A calling method used in a wireless communication system including a portable communication unit and a personal computer having a microphone to which voice is inputted and a speaker for outputting sound, said calling method comprising the steps of:

25           judging whether or not said portable communication receives a call from other party; and

              if it is judged that the portable communication unit receives a call from the other party, establishing

a communication path between said portable communication unit and said personal computer and enabling oral conversation with the other party by use of the microphone and speaker of said personal computer.

- 5        15. A portable communication unit for communicating with a personal computer, comprising:  
            a judging unit judging whether or not the portable communication unit receives a call from other party;  
            and  
10        a transmitting unit, if it is judged that the portable communication unit receives a call from an other party, transmitting a response message recorded in said personal computer to the other party.
- 15        16. A portable communication unit for communicating with a personal computer, comprising:  
            a judging unit judging whether or not a call from other party is received;  
            an acquiring unit, if it is judged that a call from the other party is received, acquiring a response message recorded in said personal computer; and  
20        a transmitting unit transmitting to the other party the response message acquired from said personal computer.
- 25        17. A portable communication unit for communicating with a personal computer, comprising:  
            a judging unit judging whether or not a message from other party is received; and

a transmitting unit, if it is judged that a message from the other party is received, transmitting the message from the other party to said personal computer.

5       18. A personal computer for communicating with a personal communication unit, comprising:

          a receiving unit receiving a signal, transmitted from said portable communication unit, to require a transmission of a response message recorded in said personal computer to other party; and

10      15     a transmitting unit, when receiving the signal to require the transmission of the response message recorded in said personal computer to the other party, transmitting said response message to said portable communication unit.

19. A personal computer for communicating with a personal communication unit, comprising:

          a receiving unit receiving an other party's message transmitted from said portable communication unit; and

          a recording unit recording said received other party's message in a recording device of the personal computer.

20. A communication system including a first portable unit and a second portable unit for communicating with the first portable unit, wherein  
25      said first portable unit comprises:

a first communication unit communicating with another unit via a public line of telecommunication;

a second communication unit communicating with said second portable unit; and

5 a first communication control unit, when said first communication unit receives a call from another unit, causing said first communication unit to communicate with said second portable unit and transmit acquired information by communication to another unit,

10 and

said second portable unit comprises:

a third communication unit communicating with said second communication unit;

15 a storage device storing a response message; and

a second communication control unit causing said third communication unit to transmit the response message stored in said storage device to said second communication unit according to a request of said second communication unit of said first portable unit.

20 21. The communication system according to claim 20, wherein communication between said first portable unit and said second portable unit is performed by radio.

25 22. A communication system including a first portable unit and a second portable unit for communicating with the first portable unit, wherein said first portable unit comprises:

a first receiving unit receiving a message from another unit; and

5 a transmitting unit transmitting the message received by said first receiving unit to said second portable unit, and

said second portable unit comprises:

a second receiving unit receiving the message transmitted from said first portable unit; and

10 a storing device storing the message received by said second receiving unit.

23. A response message reproducing method used in a communication system including a first portable unit and a second portable unit for communicating with the first portable unit, said response message reproducing method comprising the steps of:

when said first portable unit receives a call from another unit, causing said first portable unit to request a response message to said second portable unit;

20 when said second portable unit is requested by said first portable unit to send a response message, causing said second portable unit to transmit a response message to said first portable unit; and

25 causing said first portable unit to receive the response message transmitted from said second portable unit and transmit the received response message to said another unit.

24. A response message recording method used in a communication system including a first portable unit and a second portable unit for communicating with the first portable unit, said response message recording method comprising the steps of:

causing said first unit to receive a response message from another unit and transmit the received response message to said second unit; and

causing said second unit to store the response message transmitted from said first unit.

25. A calling method used in a communication system including a first portable unit and a second portable unit for communicating with the first portable unit, said calling method comprising the steps of:

when said first portable unit receives a call from another unit, establishing a communication path between said first portable unit and said second portable unit, and

allowing said second portable unit to communicate with said another unit.

26. A portable unit for communicating with first portable unit, comprising:

a first communication unit communicating with another unit via a public line of telecommunication;

25 a second communication unit communicating with said first portable unit; and

first communication control unit, when said first

communication unit receives a call from another unit, causing said second communication unit to communicate with said first portable unit and transmit acquired information by communication to another unit.

5        27. A portable unit for communicating with first portable unit which communicates with the another unit via a public line of telecommunication, comprising:

            a communication unit communicating with said first portable unit;

10        a storage device storing a response message; and  
            a communication control unit causing said communication unit to transmit the response message stored in said storage unit to said first portable unit according to a request of said first unit.